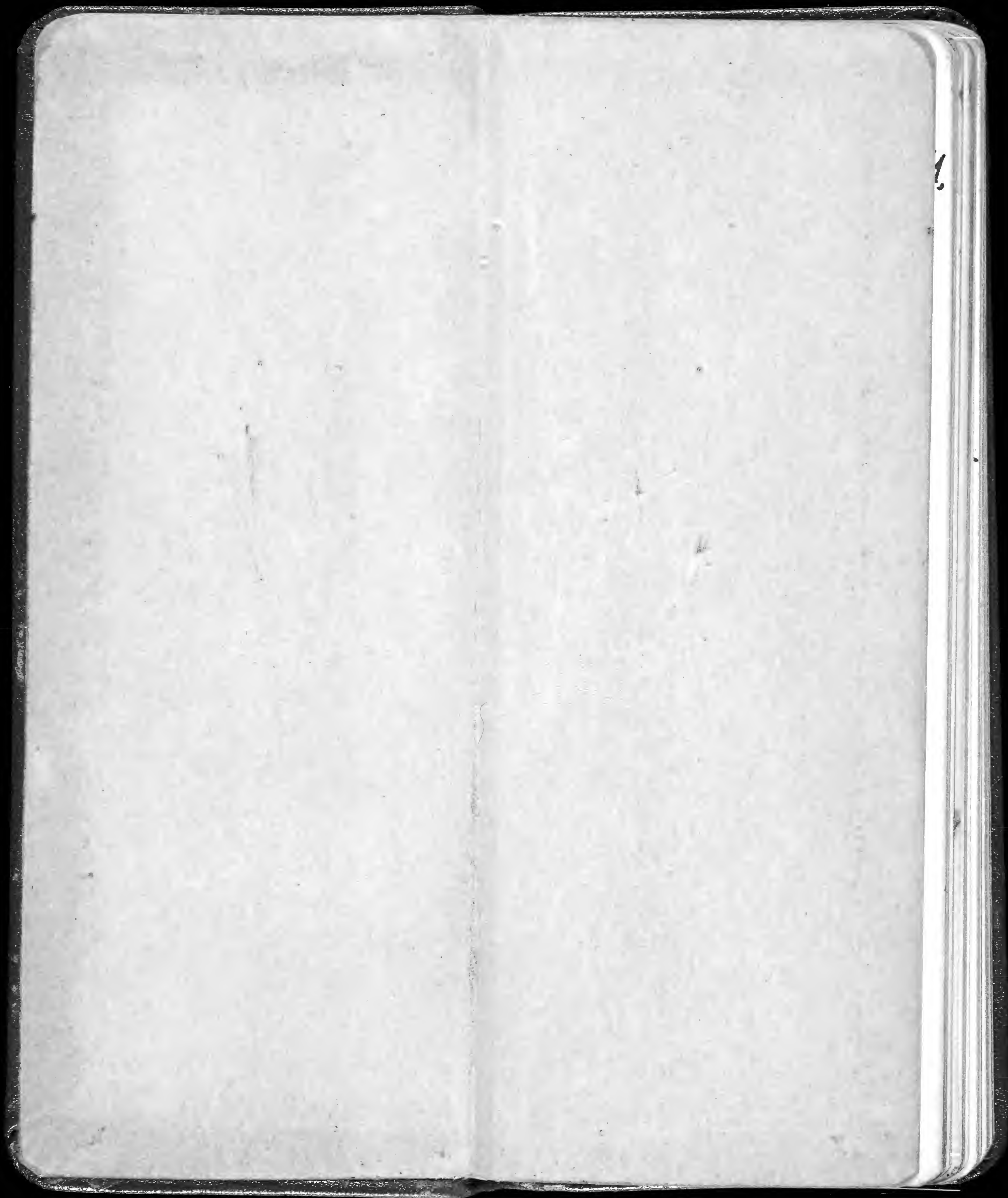


1913

North Dakota
Wyoming



2 P.M.

ttts

burg -

1913

June 18.

Left Washington 6 P.M.

Camp at Mr. Bartlett's,
beyond Gaithersburg.

June 19 - To

Clarkstown -

Friedrick

Hagerstown

Morrisburg

Green Castle
Camp on mtn.

June 20 —

McCormickburg, Pa.

Over ridge
Juanita River

hwy -

Bedford
Goodman

Camp on ridge
fixed fence

June 21

Shullaburg 5 mi
over nets

Altho barry Juts
Ceanothus 3 or 5 mi

Aspen

Chama - white

Aspen pennsylvanicus

Betula glandulosa

Pinus strobus

Kantner

Zsuga

Pinus strobus

Stollstown

Transition

Fassettown

still transition

Loftington Hill

Youngstown

Camp

June 22 Ohio

Warren 4 mi.

Otocaris, first seen

Aspen, a few on
sugr-bank places

Betula

Prunus

Spizella arizonae

Chelard

Oberlin

Bellevue

Camp

Toledo

~~Liquidated~~
Otocaris

June 24

Clyde

Detroit 2 P.M.

June 25 left Detroit
2 P.M.

Ypsilanti

Maschuster camped.
Clinton

June 26 left 8 AM

Citellus lineatus
(18 mi. W. of Clinton)

Otocoris

Coldwater 12 M.

Train to Chicago, 6 PM

June 27

Minneapolis
Elk River

Meadow Vale

Arister imber 1

Bonasa

Zympaneus 1

Colinus com.

Hydrochelidon, com

Botaurus 1

Bubo borealis 1

Accipiter cooperi 1

Zenaidura abn.

Ceryle 1

Coccyzus 1

Colaptes com

Dryobates a few

Myiarchus com.

Chordeiles com.

Tyrannus tyrannus com

Empidonax traillii

Contopus com.

Sayornis "

Corvus " yg.

Ammodramus " "

Agelaius " "

Melospiza "

Dolichonyx "

Struthio "

July 3 Elk River, 10 AM

H. P. Rain & Fargo.

St. Cloud

Wetab

Icterus galbula, com.

Pyrranga rubra "

Melospiza "

Pooecetes "

Spizella socialis "

" *pusilla* "

" *pallida* "

Ammodramus 1

Hirundo com

Progne "

Astragalinus tristis "

Lanius 2

Coccyzus a few

Vireo olivaceus com

Sitta "

Penthestes "

Troglodytes "

Osmatella "

Zonotoma a few

Marsh wren

com

Aythya

"

Mirula

"

Sialia

"

Cyanocitta

"

July 3

Elk River #

N.P. for Fargo 10 A.M.

St. Cloud

Watab

Little Falls lunch

Lincoln, fine lakes & swamps

a summer resort,

All Canadian zone.

Tamarack

Spruce

Plines

Aspens

Birches

A few oaks on ridges

Staples

Wadena

Fargo, 7 P.M.

July 4

Fargo, at Gardnert Hotel
To Fair to see bird collection
To Agr. College

July 5 - Left 6:10 A.M. on G.N.

To Grand Forks, 8:20

Left Grand Forks 9:20 A.M.

To Devils Lake, 3 P.M.

July 4 Devils Lake.

Sully Hill

Aureus macrocarpa

Fraxinus viridis

Ulmus americanus

Populus tremuloides

" *balsamifera*

Prunus mitis

" *pin*

Amelanchier

Symphoricarpos

Teila

Salix

"

"

Ampelopsis

Vitis

Bittersweet

Rosa

Corylus ~~scabra~~

Prunus ~~rostrata~~ americana

Negundo

Ribes

"

Rubus

Cornus

Rhus Tox

Asalia - saxifraga

Viola canadensis

Aquilegia

Pyrola rotundifolia

Devils Lake & Sully Hill

July 6,

Pelecanus erythrorhynchos, a few
Larus philadelphia com
Sterna franklini "
Hydrochelidon "
Spatula clypeata 1
Botaurus 3
Zenaidura com
Circus 1
Colaptes 2
Short eared Owl 5
Tyrannus verticalis 1
" tyrannus com
Anisocorus "
Agelaius "
Molothrus "
Icterus galbula 49 "
Zamelodia, rose, 4
Melospiza heard
Pooecetes "
Ammodramus "
Spizella pusilla "

Progne subis com, in town
Hirundo com
Ampelis cedrorum 2
Dendroica aestiva com
Troglodytes "
Mimus carolinensis "
Mirula "
Hylocichla ustulata
Passer domesticus, com

Procyon, 1 fresh track
Citellus 13lineatus com
" richardsoni "

July 7 Devils Lake, 10:30

All the same to Towner
West of Towner 4 or 8 mi.
high sand dune area
reaches 6 or 8 mi. more
to Lehigh.

Still sandy in places
Granville

no more sand -
low ridges & swells
slightly arid
Bartramia 2

Minot 1:40

Portbold

Aurelia, Fred auto hirey

Kumeston

Lignite

Crosby

8 PM

Crosby July 8

<u>Symphoricarpos</u>	1
<u>Zonotrichia</u>	1
<u>Agelaius vociferus</u>	2
<u>Bartramia</u>	com.
<u>Circus</u>	1
<u>Ardea flammea</u>	1
<u>Agelaius</u>	com.
<u>Molothrus</u>	"
<u>Calamus spiza</u>	"
<u>Rhyacophanes</u>	"
<u>Poocetus</u>	"
<u>Spizella pallida</u>	"
<u>Otocoris</u>	"
<u>Clavicola riparia</u>	com.
<u>Sturnella</u>	"
<u>Otocoris</u>	"
<u>Passer</u>	

July 7, to hills 15 mi. S.
2250 ft

<i>Chondestes</i>	2
<i>Oxyechus</i>	1
<i>Bastorania</i>	a few
<i>Pediocactus</i>	1
<i>Buteo borealis</i>	1
<i>Archibuteo ferrugineus</i>	1
<i>Circus</i>	2
<i>Asio flammeus</i>	1
<i>Tyrannus tyrannus</i>	3
<i>Agelaius</i>	2
<i>Molothrus</i>	com
<i>Sturnella</i>	"
<i>Rhyncophanes macrurus</i>	"
<i>Coccyzus ornatus</i>	"
<i>Pooecetes</i>	"
<i>Ammodramus</i>	"
<i>Coturniculus</i>	?
<i>Spizella pallida</i>	a few
<i>Otocoris</i>	com
<i>Calamospiza</i>	"
<i>Chondestes</i>	2

Crosby July 8 -

<i>Rosa arkansana</i>	abn
<i>Symphoricarpos</i>	"
<i>Atriplex nuttallii</i> ?	a little
<i>Anemone cernua</i>	"
<i>Gutierrezia</i>	"
<i>Glycyrrhiza lepidota</i>	"
<i>Astragalus caryocarpus</i>	"
"	"
"	"
<i>Pitalostema vidua</i>	com
<i>Psoralea argophylla</i>	a few
" <i>esculenta</i>	1
<i>Pulsatilla patens</i>	com
<i>Grum triflorum</i>	a few
<i>Malvastrum coccineum</i>	com
<i>Artemisia frigida</i>	abn
" <i>dracunculoides</i>	a few
" <i>ludoviciana</i>	abn
"	"
<i>Gutierrezia</i>	very little
<i>Solidago rigida</i>	com
" <i>missouriensis</i>	"

Achillea millefolium
Paillardia com
Brauneria "
Ratibida "
Grindelia along road
Gaura coccinea "
Oenothera big ^{up} yellow
Miscelia rose, com
Anemone canadensis ^{open}
Potentilla anserina a little
Nyctaginia in field.
Potentilla big
Oxycarpus lambertianus
Zagadimus

Grammae grass, very little
 Stipa abn.
 other grasses in great
 variety.

Antelope com in 1903
 last seen in 1904.

Odocoileus lucinus?
 1 pr. horns from Gordon's N.
Citellus richardsoni abn
 " *Blinatus* a few. 1.
Peromyscus bairdi com.

~~*Oryzomys*~~
Microtus drummii com.
Perognathus fasciatus 1
Felis com in crabs.
Eutamias, 1 near Kenmore
Thomomys a few
Lepus campestris "
Canis latrans a few
Vulpes fulvus "
Putorius longicauda 1
Taxidea com.

Reptiles etc

Eutania 2
 Green frog com
 Warty toad com

July 11

Achi
Gail
Bra
Rat
Gr
Gau
De
Me
Am
Pal
N
Pa
Or
Z

Left Crookby 7:15 A.M.

Kumistons 10

Kumware 10:30

Summary, July 11 -

Thalassidroma strepera, abn.
Podilymbus podiceps com.
Colymbus auratus a few
" *M. californicus* com
Fulica spp. com
Botaurus com
Rallus nigricans com
Porzana carolina "
Ceryle alcyon 1
Buteo swainsoni com
Circus hudsonius a few
Ereunetes rubida "
Anas boschas "
Totanus leucipes abn
Helidromas solitarius 1
Colaptes com
Tyrannus verticalis com
" *Tyrannus* com
Chordeiles spp. "
Corvus heard
Xanthocephalus spp. com
Cyanocephalus ?



July 11

Ack
Gail
Bra
Rat
Gr
Gau
Der
Me
An
Pat
Th
Pat
Or
Za

Left Crook 7:15 A.M.

Kumister 10

Kummers 10:30

Kummers, July 11 -

Thalassidroma strepera, abn.
Podilymbus podiceps com.
Colymbus auratus a few
" *californicus* com
Fulica spp. com
Botaurus 1 com
~~*Callis virgatus*~~ com
Pezomachus carolinensis "
Ceryle alcyon 1
Sturno vulgaris com
Circus borealis a few.
Circus hudsonius com
Ereunetura rubida "
Anas boschas "
Totanus flavipes abn
Helidromas solitarius 1
Colaptes com
Tyrannus verticalis com
" *Tyrannus* com
Chordeiles spp. "
Corvus heard
Xanthocephalus spp. com
Cyanocephalus ?

Zenaidura	a few to
Aegialius	abn
Motothrus	1
Sturnella	com
Calcarius ornatus,	a few
Poocetus	com
Ammodramus	"
Coturniculus ?	
Melospiza	a few
Spizella pallida	com
Passer domesticus	"
Oxyechus	"
Actitis macularia	2
Mimus cardinensis	4
Mirula migratoria	3
Dendroica	
Geothlypis	com
Marsh wren, long billed	a
Sterna hircundo	2
Icterus galbula	1 imm.
Bobolink	1 ad.

Aythya valisineria,	upated
Aythya americana,	com
Plutail	"
Ruddy	"
Gadwall	"
Anas boschas	"
Anser quidula brevis	"
Maxila	?
Botaurus	com
Porzana	"
Sterna hircundo	2
Hydrochelidon	com
Symphonia	2
Otamus pleuripes	abn
Plalopus llotus	
Actitis	
Oxyechus	
Tringa minutilla	6
Bartramia & yg.	a few
Pediocetus & yg.	com
Tympanuchus	"
Zenaidura	"
Chordeiles + yg.	a few

Colaptes 799. com.
Ceryle a few
~~Corvus~~

Tyrannus tyrannus com.
" verticillatus "

Empidonax minimus 1
" trailii, com

Otocoris "

Corvus 3

Euphagus ?

Agelaius abn.

Sturnella "

Ramphocelus "

Melospiza a few

Lanius excubitorides 199.

Dolichonyx 5 ad. 1

Passer domesticus abn.

Melospiza a few

Pooecetes com

Spizella pallida "

Ammodramus "

Calcarius ornatus

Ostragalinus tristis 4

Pipilo arcticus ? 1

Hirundo a few

Clivicola riparia com.

Geothlypis "

Deerlickia aestiva "

Toxostoma 4

Sturnella 4

Melospiza 3

Longtubed Marshwren a few

Hypothymis 1 heard.

Kennecott, July 11-17

Negundo

~~Alnus~~

Fragaria

Populus tremuloides

" cottonwoods, planted,

Catalpa

Penus americana

" melanocarpa

" pin.

Lepargyrea argentea

Elaeagnus argentea,

Symphoricarpos

Rubus strigosus

Salix tre

" cordata

"

"

Rosa

"

Amelanchier

Amorpha canescens

Glycerhiza

Astragalus 3

Aragalus 2

Pozala angophylla

" esculenta

Petastemon violacea

" white

Pulsatilla patens,

Gen triflorum

Potentilla

Gutierrezia

Ratibida

Brauneria

Gaillardia

Agoseris

Actinisia frigida

" ludoviciana

" dracunculoides

Grindelia

Achillea

Corelus

Malvastrum coccineum
Gaura coccineum
Uerolix rose
Oenothera biennis

Mammillaria vivipara
Lupinus unguis
Arctia sarcophylla

July 14 to Tolley & River

Bertramia + yg. a few
Actitis + yg. "
Oxyechus "
Falco sparverius 1
Archibuteo ferrugineus 1
~~*Accipiter*~~ *Circus*
Ceryle 1
Sphyrapicus 1
Tyrannus tyrannus com
" *verticalis* "
Coccyzus erythrophthalmus 1
Zonotrichia leucophrys 1 ♂
Rhyacophanes noreani a few
Calcarius ornatus com.
Quiscalus mexicanus a pair
Icterus galbula yg. 3
Vireo swainsoni 2
Molothrus com
Troglodytes 2
Pica 1, nuptial. + others in winter.

Kennmare July 11-17

July 17 To Robells

<i>Pitellus richardsoni</i>	abn
" <i>thlineatus</i>	com
" <i>franklini</i>	1
<i>Peromyscus</i>	com
<i>Zapus</i>	1 com
<i>Microtus rivas</i>	com
" <i>p. woodhousei</i>	"
" <i>drummondii</i>	"
<i>Fiber</i>	"
<i>Castor</i> , in Mouse R.	"
<i>Erethizon</i> " " a few	
<i>Thomomys</i>	"
<i>Lepus americanus</i>	com
" <i> campestris</i>	"
<i>Canis</i>	a few
<i>Vulpes</i>	"
<i>Procyon</i> , Mouse R.	"
<i>Taxidea</i>	"
<i>Mephitis</i>	"
<i>Putorius</i>	"
<i>Sorex personatus</i>	2
" <i>richardsoni</i>	1

<i>Buteo swainsoni</i> & yg.	
<i>Circus accipitrinus</i>	7
<i>Falco sparverius</i>	3
<i>Empidonax minimus</i>	1
<i>Lanius galbula</i> , a family	
<i>Zonotrichia querula</i>	1
<i>Mareca affinis</i>	100
<i>Larus philadelphia</i>	7
Petrel sandpiper	1
Willow	4
<i>Euphagus cyanocephalus</i>	com
<i>Erasmolus rubida</i>	com
<i>Mareca affinis</i>	a few
<i>Euphagus</i>	com
<i>Larus franklini</i>	1
<i>Actitis</i>	2
<i>Hedraea solitaria</i>	1
<i>Spizella</i>	1
<i>Lanius</i>	a few

Beverly Lake

Widgeon	abn
Canvasback 999	com
Ruddy	"
Gadwall	abn
Pintail	"
Bluewing Teal	com
Larus philadelphia	20
Hydrochelidon	com
Botaurus	"
Phalaropus	abn
Yellowlegs	"
Columbus n. calif	"
Podilymbus	a few
Circus	21
Buteo	2
Asio	a few
Short billed Marsh Wren	com
Sayornis saya	99, 2
Rhyacophanes ramosus	a few
Coccyzus ornatus	com
Fulica	"
Scolopax oryzophila	"

Wards Lake

Podilymbus	a few
Colymbus n. calif	abn
" auritus	a few
Erasmia rubida	com
Mareca affinis	a few
Spatula clypeata	"
Gadwall	abn
Pintail	"
Buteo	a few
Coot	abn
Bartramia	com

Twin Lakes at Steeps Pass
July 18

<i>Oxyechus n. californicus</i>	abn.
<i>Podiceps</i> ^{<i>aeratus</i>, 2}	a few
Gadwall	9 yg abn
Pintail	+ yg "
Bluebill	com
Bluewing teal	+ yg "
Greenwing	1 + yg
Shoveler	+ yg a few
Ruddy	"
<i>Larus philadelphia</i>	"
<i>Hydrochelidon</i>	abn
Willet	com
<i>Larus yellowlegs</i>	"
Phalarope	abn
Petrel	com
Least	1
Killdeer	+ yg com
Bartramia	" "
Coot	" "
Rail	hard
Bittern	a few
Sandhill Crane	1

Pediocetes + yg, 1/2 yg. 1 flock

Circus	com
Short eared owl	a few
Nighthawk	"
<i>Tyrannus tyrannus</i>	com
" <i>verticalis</i>	a few
<i>Xanthocephalus</i>	com
Euphagus	"
Agelaius	"
Melospiza	"
<i>Scolecophagus</i>	"
Sturnella	"
<i>Icterus galbula</i>	hard,
<i>Caloscoptes</i>	a few
Calcarius	com
Porzana	"
<i>Ammodramus</i>	"
Otocoris	"
Hirundo	a few
<i>Geothlypis</i>	"
Long billed marsh wren	"

Thompson Lake

Muskrat gull	1
Actitis	2
Red head	com
Ruddy	"

Lastwood Lake

Piping		
King plovers	3 yg.	2 ad.
Little sandpiper		pulls a
Petrel		"
Bairds		"
Crow		2, 8,
Killdeer		com
Actitis		"
Yellow legs		"
Gadwall		abn
Pintail		"
Ruddy		"
Bluewing	1 yg	"
Shoreless	"	com
Mallards	"	"
Scaps		afew
Red head		"
Colymbus n. calif.		abn
Podilymbus		afew
Zarus philadelphia		afew
" franklini		1
Hydrochelidon		abn
Fulcr		com
Rail		heard
Bittern		afew

Phalarope - abn.

Pedicularis 291. 1 flock

Bulio swanensis nests

Circus a few

Asio "

Chordeiles "

Tyrannus 2 "

Otocoris com

Euphagus "

Agelaius "

Melospiza "

Xanthocephalus :

Sturnella "

Scolecophagus "

Calcarius "

Rhyacophanes "

Poaeetus "

Ammodramus "

Geothlypis a few

Dendroica aestiva 1

Hirundo a few

Marsh wren - 1 b - "

Bank Swallows 2 yg

Parsons Lake 20 mi. W. of Kumare

Godwits 8

Green-winged teal 8 yg. 2

Scalp com

Godwit abn

Pint "

Shoveler "

Ruddy com

Blue-wing "

Mallard a few

Redhead "

Sooty "

Eared abn

Coot "

Ring-billed gull a few

Franklin's 1

Hydrochelidon 4 yg. abn

Rail much

Bittern a few

Stilt sandpipers 1

Baird com

Petrel "

Emipalmated "

July 20

Left Kinnear 9:30 PM

Minot 11 P.M.

July 21 Minot

Quercus macrocarpa

Ulmus

Negundo

Fraxinus

Prunus

Populus tremuloides (N.E. yellow)

Elagmus

Symphoricarpos

Salix

Lepargyrea

com

Cornus

Amelanchier

Populus fremontii, a few

Celtis

Rosa 2

Moraria

Cardus

Helianthus

Gerardia

Artemisia frigida
— *ledovicensis*

Ratibida

Brassica

Pulsatilla patens

Gentiana

Solidago 2 23

Proserpinaca angustifolia

Petalostemon violaceus

— white

Glycerhiza

Astragalus

Artemisia

Custer 1 east of

Bethel

All prairie, glacial,
a few sloughs

Calisaya, top of Coteau

Monard, short grass

Stanley

Coteau

2257

2262

White earth, 2096

First trace of budland
in open thickets in NE gulch

Short grass, and -

Podiceps 1

Actitis macularia

Larus birds - 1, 12

Corvus 3

Ray - non level

lower, warmer?

Helianthus annuus 1 com

Williston

Artamus cana abn

Helianthus annuus "

H. Buford 6 P.M.

Buford July 22

Podiceps 10

Symphoricarpos?

Zenaidura a few

Archibuteo ferrugineus 2, 4

Circus com

Falco sparverius "

Chordeiles a few

Tyrannus tyrannus "

" *verticalis* "

Sayornis sayi 3

Pica 11

Corvus 3

Euphagus com

Lanius 1

Chondestes com

Poocetes "

Spizella pallida?

Hirundo 1

Zonotrichia 1

Dumetella 1

Sturnella com

Salpinctes 3

Troglodytes 2

Mirula m. propinqua 1

Sialia sialis Ad & yg,

Colaptes cafer
 " auritus
 Astragalinus tristis a few.

Atalapha 3 lined
 Peromyscus
 Microtus mordax
 Thomomys
 Lepus campestris
 Sylvilagus macrotis
 Canis latrans
 Erithizon

Buford

Prunus pennsylvanica abn.

" cordata "

Negundo "

Fragaria "

Viburnum "

Juniperus virginiana com

" communis 1 bush

" procumbens com

Prunus melanocarpa "

" americana "

Amelanchier "

Lepargyrea argentea "

Elaeagnus "

Cornus "

Symphoricarpos "

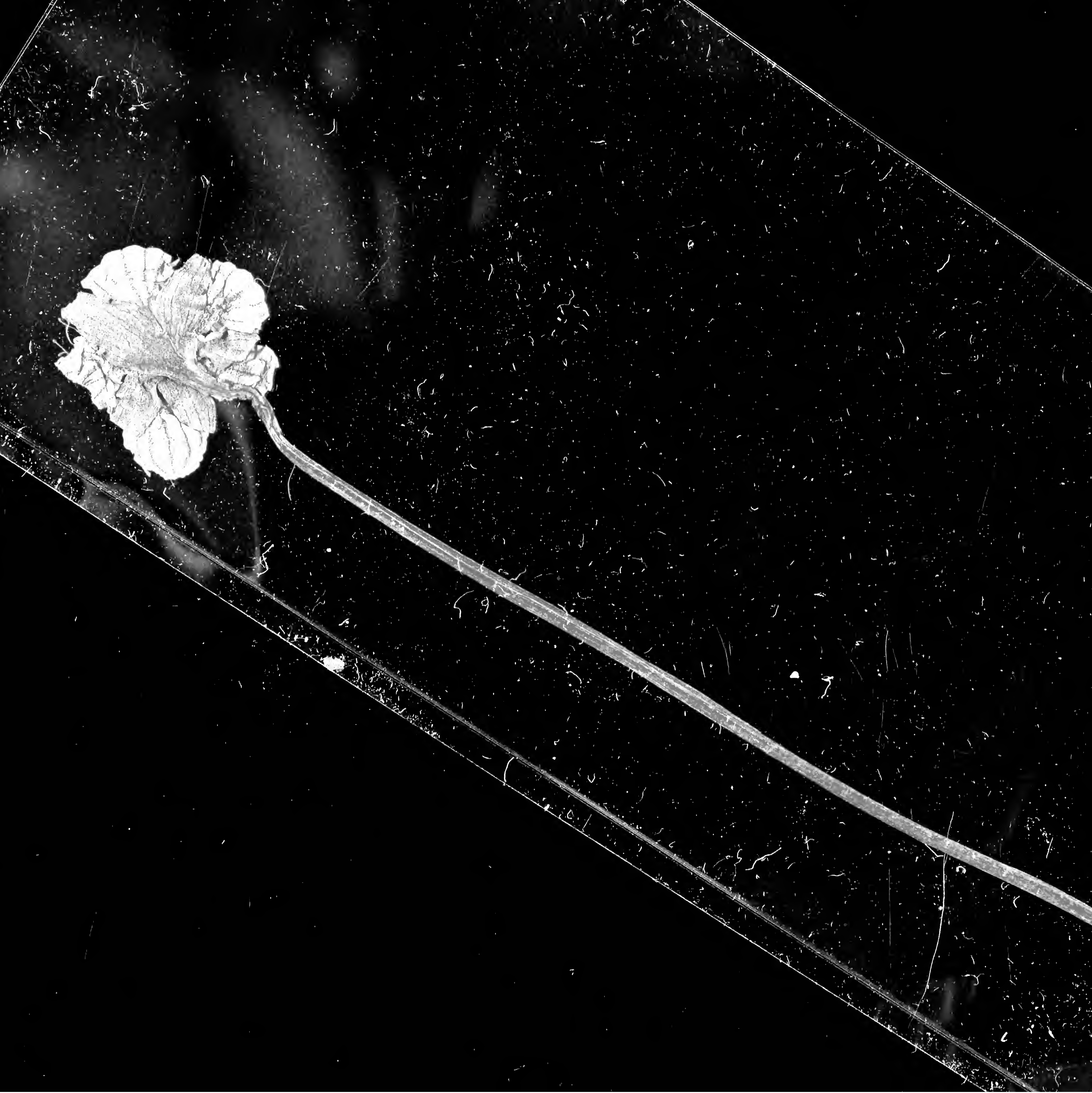
Rosa 2 "

Ribes 2 3. "

Rhus trilobata "

" Toxicaria "

Ampelopsis in gulches



Colaptes cafer
 " auritus
 Astragalinus tristis a few.

Atalapha / zinnensis
 Peromyscus
 Microtus rodentus
 Thomomys
 Lepus campestris
 Sylvilagus naumanni
 Canis latrans
 Erithizon

Buford

Populus fremonti abn.

Salix cordata "
 " "

Negundo "

Fraxinus "

Ulmus "

Juniperus virginiana com

" communis 1 bush

" procumbens com

Prunus melanocarpa "

" americana "

Amelanchier "

Lepargyrea argentea "

Elaeagnus "

Cornus "

Symphoricarpos "

Rosa 2 "

Ribes 2-3. "

Rhus trilobata "

" Toxicodendron "

Ampelopsis in gulches

Artemisia *cava* abn
 " *frigida* "
 " *ludoviciana* "
 " *drummondiana* com
Chrysothamnus *graveolens* "
 " *white* com
 " "
Gutierrezia *entlavas* com
Helianthus *annuus* "
Grindelia "
Brauneria "
Ratibida "
Gaillardia "
Sarcobatus a little
Atriplex *nuttallii* com
Eriogonum "
Eurotia *lenata* "
Munzulia big a few
Opuntia *missouriensis* com
 " *fragilis* rare
Mammillaria "
Yucca *angustifolia* com
Plantago *patagonica* "

Glycyrrhiza *lepidota* "
Psoralea *argophylla* "
 " *esculenta* a little
Astragalus " *glabrata* " com
 " *caryocarpus*? "
Aragalus big "
 " little "
Petalostemon *vidua* "
 " *canadensis* "
Zinnia *peruviana* "
 " *nuttallii* big yellow "
 " little yellow "
Eriogonum a little "
 " " "
Gaura *coccinea* "
Oenothera *bimaculata* a few
Mimulus *rosa* com
 " little yellow "
Moraea horsemint "
Claytonia *integerrima* a little
Malvastrum *coccinea* "
Lygodesmia *bracteata*

Polygonum alba com
Pentstemon gracilis "
Carduus "
Geum not 3 folium a. p.
Aster "
Solidago 3
Thermopsis montana 4 w
Trifolium on buttes, downy com
Phlox Douglasii on buttes
Gilia downy "
Celastrus scandens? com
Lactuca pulchella "
~~*Lycopodium*~~ juncea "
Anemone patens "
Ambrosia 2, big
Xanthoxylum
Russian Thistle

Calamovilfa longifolia com
Agropyrum tenerum "
" viduatum "
Bouteloua oligostachia "
Andropogon scoparius "
Koeleria cristata "
Stipa comata "
" virgata "
Distichus maritima "
Calamagrostis stricta?
Hordeum jubatum abn.

Williston, July 24-27

Acass River
+ to Banks

Same plants as at Bayport

Salix cordata

" *interior*

" *fluvialis*

Populus fremontii

" *tremuloides*, in NE gulches

Alnus

Fraxinus

Myrica

Lepargyrea

Cornus

Crataegus

Prunus 2

Amandus

Betula pumila

Elaeagnus

Rhus trilobata

" *toxicaria*

Rosa 3

Symphoricarpos

Cornus

Ribes 3

Juniperus 3

Artemisia 5

Chrysothamnus grandis

" *canadensis*

Gutierrezia serotina

Brauneria

Ratibida

Helianthus annuus

"

"

Solidago 5

Aster

Achillea

Antennaria

Eriogonum 2

Glycerhiza

Astragalus

Aragalus

Petalostemon viduus

" *canadensis*

Solanum rostratum

Psoralea argophylla

Psoralea esculenta

" *glandulosa*

Vicia

Vitis

Astragalus

Ampelopsis

Smilax

Striptopus

Chenopodium

Humilis lupus

Apoecynum

Myrica

Ambrosia trifida

" *big*

Xanthium

Spartina cynosuroides

Muhlenbergia racemosa

Elymus canadensis

Agrropyrum spicatum

" *tenerum*

Andropogon scoparium

Stipa comata

" *virida*

Williston + Vac

Podilymbus July 23-27.

Pintail + 49. ^{afw} abu

Blue wing " "

Coot " "

Botaurus com

Ardea herodias 3

Pelecanus erythrorhynchos 1

Pelecanus + yg. 2 flocks

Zenaidura com

Chordeiles "

Numenius longirostris 1

Colaptes cafer 1 + hybrids

" *auratus* com. + hybrids

Melanerpes 3

Otocoris com

Corvus "

Xanthocephalus "

Empidonax abu

Agelaius "

Quiscalus 2

Sturnella com

Astragalinus afw

Melospiza "

Spizella pallida "

<i>Cyanospiza bicolor</i>	2
<i>Chondestes</i>	com
<i>Pooecetes</i>	"
<i>Calcarius ornatus</i>	"
<i>Pipilo arcticus</i>	"
<i>Lanius</i> + yg.	"
<i>Vireo olivaceus</i>	"
<i>Ampelis cedrorum</i>	"
<i>Progne</i>	3
<i>Hirundo</i>	a few
<i>Chaetura pelagica</i>	2
<i>Harporhynchus rufus</i> , a few	
<i>Sturnella</i>	"
<i>Icteria v. longicauda</i>	2
<i>Dendroica aestiva</i>	a few
<i>Geothlypis</i>	com
<i>Troglodytes</i>	"
<i>Salpinctes</i>	"
<i>Merula m. propinqua</i>	3
<i>Parus splanthialis</i>	a few
<i>Hydrochelidon</i>	1
<i>Cathartes aura</i>	3
<i>Pica</i>	com
<i>Circus</i>	2
<i>Falco sparverius</i>	com

Williston + Vic

<i>Cervus</i>	old horns
<i>Odocoileus macrourus</i>	com
<i>Eutamias</i>	"
<i>Citellus richardsoni</i>	abn
" <i>3lineatus</i>	com.
<i>Peromyscus mustelinus</i>	1
" <i>sonoriensis</i>	abn
<i>Mus musculus</i>	"
<i>Neotoma cinerea</i>	a few
<i>Microtus mordax</i>	1
" <i>modestus</i>	
<i>Eutamias</i>	2
<i>Fiber</i>	a few
<i>Castor</i>	"
<i>Thomomys</i>	"
<i>Erethizon</i>	"
<i>Sylvilagus</i>	abn
<i>Lepus campestris</i>	a few
<i>Canis</i>	"
<i>Lynx</i>	"
<i>Sorex</i>	1

July 28 To Minot 7am.
left 9 a.m.

Velva

Balfour

Drake

Max

Washburn

Bismarck

July 29 Bismarck

Chordeiles com

Progne subis "

Chondestes "

Chordeiles "

Empidonax 999 "

Vireo swainsoni "

Amiscolus 2

Sialia sialis 999, 5

Planesticus com

Melanerpes 1

Grus canadensis planted

" melanerpes 1 "

from near Mandan

July 30 Mandan & H. Clark

Oniscus maculosa

Fragaria

Ulmus

Populus fremontii

" tremuloides

Salix cordata

" interior

" amygdaloides

Cornus

Prunus melanocarpa

" americana

Lysargyrea

Elaeagnus

Negundo

Ribes

Rosa

Symphoricarpos

Rubus strigosus

Vitis americana

Amorpha canescens com
 " *parvifolia* a few
Psoralea argophylla com
 " *esulata* "
Astragalus "
Glycyrrhiza "
Potamogeton violaceus "
 " *canadensis* "
Polygala alba "
Helianthus annuus abn.
 " *rigidus* com
 " *tuberosa* "
 " *petiolaris*? "
Solidago 5 "
Aster com
Ratibida pinnatifida "
Brauneria angustifolia "
Gutierrezia "
Calceolaria "
Cimicifuga racemosa "
Actinidia cuneata a few
 " *frigida* com
 " *lutea* "
 " *cruciatifolia* "
Lagotis purpurea com
Lactuca pulchella "

Pulsatilla patens com
Oenothera - little yellow "
Mercurialis annua a few
Composita com
Malvastrum coccineum "
Plantago patagonica, a little, "
Apocynum a few
Rhus trilobata "
 " *toxicodendron* com.
Mentzelia laevicaulis, at Rio.
Solanum rostratum at Mandan.
Bartonia distachya "
Rubia crustata com
Calamovilfa longifolia "
Agropyron tenuum "
 " *vidua* "
Andropogon scoparius "
 " *purpureus* "
Stipa comata com
Calamagrostis stricta "

July 31 ~~1st~~ Pisgah 1:15 P.M.

Mandan

Glen Hills

Zaghest

First Prairie days

3 mi. E. of Hebron

Dickinson

Medora - P.S., 2 mi. E.

Populus fremontii

Ulmus
Fraxinus viridis

Nyssa

Rhus poderosa a few on hills
Juniperus scopulorum, in gulches
" communis
" procumbens, on hills

Prunus melanocarpa "

Lepargyrea argentea "

Atriplex confertifolia "

" nuttallii "

"

Bigelovia graveolens com.

Chrysothamnus

Gutierrezia

Eurotia

a little

abn.

Symphoricarpos - com.

Donelia com

Eriogonum white, on hills

" yellow "

Achillea cana abn.

" tridentata a little

" frigida com

" argentea "

" ludoviciana "

" dracunculoides "

Grindelia abn.

Helianthus annuus "

Chrysopsis "

Lycopodium obscurum com

Xanthoxylum "

Prosopis juliflora a little

" erubescens "

" glandulifera abn.

Chamaecrista com

Microtis a little

Symphoricarpos com

Chenopodium "

Rhus trilobata "

Salix 3 "

Zinnia "

Ratibida "

Plantago purshii "

Rosa -
 Panicum :
 Oryzopsis com.
 Calamovilfa longifolia "
 Spartina cynosuoides "
 Agropyrum tenerum com.
 " ^{virgatum} "
 Bouteloua oligostachia "
 " little "
 Stipa comata "
 " viridula a little
 Distichis spicata com.
 Opuntia missouriensis com
 " fragilis a little
 Yucca com
 Muntingia calabura "
 Solanum rostratum "
 Linn. lewisii "
 " rigidum "
 " tall yellow "
 Malvastrum coccineum
 Brauneria
 Polygala alba

Aug. 2+3 N. D. Nat. Forest.

Pinus ponderosa NE com
 Juniperus scopulorum " "
 " procumbens " "
 " communis " a few
 Populus pruneti com
 " Tremuloides NE. a few.
 Salix 3 along stream
 Betula occidentalis NE a few
 Crataegus com.
 Philadelphus americanus 3-4 a few
 Prunus melanocarpa abn.
 " americana "
 " roseae SW com.
 Lysichiton argentea abn.
 Amelanchier com
 Fraxinus viridis "
 Nyquisto "
 Ribes aureum "
 " black a few
 Geosularia com.
 Rhus trilobata SW com
 " tox. bottom "
 Symptlocarpus abn
 Rosa 2 or 3 "

<i>Potentilla fruticosa</i>	NE	com.
<i>Cornus Tobomifera</i>		"
<i>Vitis ?</i>		
<i>Clethra</i>		com.
<i>Clematis</i>		"
<i>Impatiens ?</i>		
<i>Arnica cava</i>		abu.
" <i>tridentata</i>	NE	apud
" <i>ludo-</i>		abu.
" <i>gnaphalodes</i>		com.
" <i>dracunculoides</i>		"
" <i>frigida</i>		abu.
<i>Chrysanthemum graveolens</i>	SW	com.
" <i>canescens</i>	SW	"
<i>Gutierrezia</i>		a little
<i>Eolidago</i> 4		com.
<i>Aster</i>		"
<i>Chrysoma</i>		"
<i>Helianthus annuus</i>	flat	"
" <i>rigidus</i>	mountain	"
<i>Lygodesmia juncea</i>		com.
<i>Lactuca pulchella</i>		"
<i>Brauneria</i>		"
<i>Liatris</i>		"
<i>Rotunda</i>		"
<i>Cirsium</i>		"
<i>Achillea</i>		"
<i>Gerardia</i>		"

<i>Arctostaphylos uva-ursa</i>	NE a little
<i>Atriplex confertifolia</i>	SW a little
" <i>nuttallii</i>	" abu.
<i>Plantago purshi</i>	"
<i>Eurotia lanata</i>	"
<i>Sarcocolla</i>	com.
<i>Mentzelia laevicaulis</i>	SW
<i>Eolamium rostratum</i>	a little
<i>Psoralea argophylla</i>	com.
" <i>esculenta</i>	"
" <i>tenniflora</i> , sand.	abu.
<i>Gymnocarpha leptophylla</i>	com.
<i>Lupinus pusillus</i>	flat, a little
<i>Thermopsis montana</i>	NE
<i>Petalostemum vitaceum</i>	com.
" <i>white</i>	"
<i>Amorpha nicantha</i>	a little
<i>Astragalus canyocarpus</i>	"
<i>Oraogonum</i>	white
" <i>tall white</i>	a little
<i>Yucca glauca</i>	SW
<i>Opuntia missouriensis</i>	SW
" <i>fragilis</i>	top
<i>Yucca microcarpa</i>	" a little
<i>Linum rigidum</i>	com.
" <i>lewisii</i>	"

Calamagrostis longipolia com
Andropogon comata "
 " *purcata* few
Oryzopsis round a little
Stipa comata com
 " *viridula* "
Bouteloua oligostachya com.
Agropyron tenuis "
 " *vidua* "
Calamagrostis stricta com
Dactyloctenium spicatum "

Monarda bottom com
Malvastrum coccineum top "
Gaura " "
Merolix serrulata " "
 " *caespitosa* "
Lotus americanus on sand. com.
Trifolium " "
Trifolium " "
Draca xanthiopholia "
Lupinus humilis, com in gulches "

Aug. 2+3, N.D. Nat. Forest.
Irida nodosa 1 on deep Cr.
Centrocercus - a few
Pedroetes com.
Zenaidura "
Burramia a few
Agelaius "
Buteo swainsoni 1 dead
Aquila chrysaetos 1
Circus a few
Falco sparverius com.
 " *pygmaeus* "
Megascops seen heard 2 (Eul.)
Chordeiles a few
Oryzobates 3
Melanerpes com.
Colaptes "
Sayornis sayornis "
Tyrannus tyrannus "
 " *verticalis* a few
Corvus "
Pica com.
Molothrus a few
Euphagus com.
Sturnella "
Otocoris "
Pipilo arcticus "

<i>Rhyncophanes macrurus</i>	com
<i>Calcarius ornatus</i>	"
<i>Poocetes</i>	"
<i>Chondestes</i>	a few
<i>Spizilla pallida</i>	com
<i>Galonospiza</i>	3
<i>Loxia</i>	hand
<i>Astragalinus</i>	a few
<i>Lanius</i>	com
<i>Troglodytes</i>	"
<i>Icteria</i>	"
<i>Geothlypis</i>	a few
<i>Parus septentrionalis</i>	"
<i>Bonibiculus</i>	com.
<i>Agelaius</i>	"
<i>Salpinctes</i>	"
<i>Melospiza</i>	nesting
<i>Actitis</i>	2
<i>Bubo</i>	hand
<i>Sialia</i>	"
<i>Onychophaga</i>	2 (J.)
<i>Passerina</i>	20
<i>Anthus fragilis</i>	2
<i>Ammodramus</i>	

Agelaius - ~~nesting~~ a few

Hirundo town "

Riparia " "

Mammals

Ovis

Antilocapra, a few

Dicotyles ~~macrurus~~, a few
hemionus, very few

Eutamias pallidus, com

Citellus *flav.* *pallidus*, com.

Agromys 1 town

Peromyscus com

Erethizon "

Fiber "

Sylvilagus bachmani "

Lepus campestris "

Thomomys "

Lynx canadensis a few

Felis ^{ninta} com. a few

Canis 2

Vulpes 2

Urocyon a few

Taxidea "

Aug. 5 - left Central Butte
at 9 PM.

Arrived Glendora 10:30

Aug 6 - Glendora to A.M.
Arrived Billings 11:30

Found no Canyon wrens
Returned to Huntley 8-9 PM

Aug. 7. Huntley to
Sheridan 8:20 to 12:30

Aug. 9. Sheridan to
Wolf & Eator's Ranch
18 miles. 8-2

Wolf Creek Aug. 10

<i>Pinus ponderosa</i>	4000-4700 ^{NE} 4200-7300 ^{SW}
<i>Populus angustifolia</i>	- 6800
<i>Betula pentalis</i>	- 6700 ^W
<i>Cercocarpus angustifolius?</i>	4200-6000 ^{SW}
<i>Juniperus scopulorum</i>	4500-
" <i>procumbens</i>	- 8000+
<i>Prunus americana</i>	- 6700
<i>Crataegus velutina</i>	- 5500
<i>Ribes diversum</i>	- 6000 ^{SW}
<i>Grossularia diversum</i>	- 7300
" <i>setosa</i>	- 6700
<i>Amelanchier</i>	- 6000
<i>Lepargyrea argentea</i>	- 5000
<i>Opulaster</i>	4000-7500 ^{SW}
<i>Balsamorhiza hirsutifolia</i>	- 7300 ^{SW}
<i>Arctostaphylos uva-ursi</i>	4000-7700 ^{SW}
<i>Rhus glabra</i>	4000 - 6000
<i>Aprocyrum</i>	" "
<i>Salix cordata</i>	- 7500 ^N
" <i>flaccidifolia</i>	- 4000
" <i>angustata</i>	- "
<i>Berberis repens</i>	4000-6700
<i>Cornus</i>	" "

Symphoricarpos occidentalis 4500
Aspidotrichum 4500 - 8000^{SW}
Companula - 8000^{SW}
Monarda fistulata - 7500^N
Strophopus 4000 -
Pentstemon - 7500
Clematis - 4300
Rubus strigosus - 7700
Geranium big 4000^{NE} - 7500^{SW}
Calochortis 4500 - 7700^{SW}
Erythronium 4000 - 7500^W
Gaillardia - big - 7700^{SW}
Geum
Potentilla fruticosa 4000^{NE} - 8000^{SW}
Epilobium spicatum 4000 - 7500^{SW}
Cynophthalmus "
Acer "
Galium - 7500^{SW}
Linum lewisii - 7300
Lupinus big 4000^{NE} - 7500^{SW}
Glycyrrhiza lepidota - 5000^{SW}
Lithospermum - "
Pulsatilla patens - 7500^W
Fragaria - 8000^W
Companula 4000^{NE} - 7500
Solidago - "

Wash Creek

Canadian pines

Picea 4700 - 4500^{NE} - 8000^{NE} +
Pseudotsuga 4500^{NE} - 4000^{NE}
Populus tremuloides 4000^{NE} - 7700^{NE}
Abies glabra 4000^{NE} - 4000^{NE}
Larix laricina "
Juniperus communis 4000^{NE} - 8000^{NE} +
Pinus strobus 7000 - 8000^{SW}
Grossularia wolfi (Hb) 4700^{NE} - 7700 +
 " *sanguinea* 4700 - "
 " *orientalis* - 8000 +
Pinus murrayana 4800^{NE} - 7500^{SW} - 9000 +
Arceuthobium 7300 - 8000 +
Vaccinium 7300^{NE} - 8000 +
Salix glauca
Hemerocallis
Parnassia
Compositae
Hieracium 4700^{NE} -
Sedum douglasii? - 8000^{SW}
Sambucus racemosa 7500
Spiraea rosea 4700^{NE} - 8000
Pyrola
Ribes sanguineum 7000 - "
Salix, ad - "

Transition

Tragopogon glaucus - 7500^{SW}
Catalpa red 5000-7500^{SW}
 " yellow " -
Artemisia frigida - 6700^{SW}
 " *tridactyla* - 6000^{SW}
 " *dracunculoides* - "
Solidago
 " "
Aster big. 6000-7700^{SW}
Helianthus rigidus - 7000^{SW}
Cichla - 8000^{SW}
Rosa 3 - 6700^{NE}
Purshia 4000-

Big Horn Mts. Wyo.

Avis a few
Cervus doing well
Odocoileus hemionus com
 " *vaconus* rare
Sciurus "
Eutamias "
Marmota "
Peromyscus 1 dozen "
 " "
Microtus mordax 1
Neotoma L
Thomomys "
Lepus campestris "
 " *bairdi* "
Sylvilagus bairdi "
Erethizon a few
Felis "
Lynx com
Canis 2 "
Vulpes velox a few
Procyon americanus 1
Sorex obscurus 1
Neosorex 5
Bats com

Wolf Creek Aug. 9-11

<i>Helidromas solitarius</i>	2
<i>Pedicularis</i>	1
<i>Dendroica</i>	com
<i>Zonotrichia</i>	1
<i>Falco sparverius</i>	"
<i>Aquila chrysaetos</i>	2
<i>Circus</i>	com
<i>Colaptes cafer</i>	"
<i>Ceryle</i>	2
<i>Corvus americanus</i>	com
<i>Pica</i>	"
<i>Meroprogne</i> at base	"
<i>Empidonax</i> "	a few
<i>Spizella arizonae</i>	"
<i>Melospiza</i>	"
<i>Passerina</i> 2 at 6000	
<i>Cistragalinus</i>	com
<i>Spiris</i> a few at 7000-8000	
<i>Pooecetes</i>	com
<i>Habia</i> 1 J.	
<i>Pyrausta ludo.</i>	com
<i>Vireo swainsoni</i>	-
<i>Empidonax</i>	"
<i>Contopus rich.</i>	"

Hummer Low-8000, com.
 White-throated Swift 1 (faint)
 Pipilo arcticus com.
 Salpinctes "
 Dendroica auduboni Low, a few
 " aestiva "
 Cinclus 1 (J.)

Sheridan

Eutamias consobrinus 2

W off to Sheridan

Populus angustifolia com, above
 " tremuloides a little, up.
 " fremontii com.
 Salix cordata "
 " amygdaloides "
 " flabratilis "
 Nyquedo "
 Prunus americana "
 " melanocarpa "
 Amelanchier "
 Crataegus "
 Lipargyrea angusta "
 Rhus trilobata SW "
 " Tox "
 Artimisia 5 abn.
 Solidago 4 "
 Helianthus rigidus com
 " annuus abn.
 Grevillea "
 Liatris com
 Xanthoxylon "
 Chrysopsis "
 Gutierrezia "
 Begonia tetipolia "

Aug 12 Shindao 12:50

<i>Fragaria</i>	com
<i>Ribes aureum</i>	"
" <i>d. irrigum</i>	"
<i>Rosa</i> 3.	"
<i>Lupinus</i>	"
<i>Psoralea argophylla</i>	"
" <i>tenifolia?</i>	"
<i>Glycyrrhiza</i>	"
<i>Astragalus</i>	"
<i>Aragalus</i>	"
<i>Chenopodium</i>	"
<i>Lupinus hirsutus</i>	"
<i>Malvastrum</i>	"
<i>Eurotia</i>	com in places
<i>Atriplex</i>	"
<i>Liatris</i>	com
<i>Verbena bectiona</i>	"
<i>Plantago</i>	"
<i>Yucca</i>	a few

Chas Creek V

<i>Sarcobatus</i>	abn
<i>Opuntia</i>	"
<i>Orizopsis</i>	"
<i>Populus fremontii</i>	"
<i>Atriplex</i>	"
<i>Eurotia</i>	"
<i>Quercus</i>	"

Arvada - Aug. 12.

<i>Populus fremontii</i>	abn.
<i>Salix fluviatilis?</i>	com.
<i>Nigella ^{angustifolia}</i>	"
<i>Fraxinus</i>	
<i>Juniperus scopulorum</i>	a few
<i>Parus melanocarpa</i>	a few
<i>Lipargyrea argentea</i>	"
<i>Rhus trilobata</i>	com.
<i>Ribes aureum</i>	a few
" <i>cereum</i>	com.
<i>Bigelovia</i> - 5	abn.
<i>Asterias</i> - 5	"
<i>Atriplex confertifolia</i>	com.
<i>Sarcobatus</i>	abn.
<i>Eurotia</i>	com.
<i>Sonchus</i>	"
<i>Opuntia</i>	abn.
<i>Artemisia</i> - white	a few
<i>Plantago purshii</i>	com.
" <i>bracteosa</i>	"
<i>Poa annua</i> glandulosa	"
" <i>tenuifolia</i>	"

<i>Chenopodium</i>	com.
<i>Solanum elaeagnifolium</i>	a few
<i>Mintzelia</i>	"
<i>Oriopsis</i>	abn.
<i>Bouteloua oligostachya</i>	"
<i>Iva axillaris</i>	"
" <i>xanthophylla</i>	"
<i>Verberna bracteosa</i>	com.
<i>Yucca</i>	a few
<i>Helianthus annuus</i>	abn.
<i>Grindelia</i>	"
<i>Xanthoxylon</i>	"
<i>Salsola</i>	"
<i>Melilotus alba</i>	"
<i>Trifolium repens</i>	abn.

Arvada

Ardea com
Oryzopsis "
Actitis "
Helidromas "
Bartramia "
Centrocercus said to be com.
Zenaidura abn
Bubo b. "
Falco sparverius com
Circus "
Colaptes cafer com
Melanerpes "
Chondestes "
Pica "
Chondestes "
Poocentus "
Spizella breweri "
Tyrannus verticalis a few
" Tyrannus "
Sayornis sayi "
Otocoris "
Penthestes septentrionalis a few

Salpinctes abn.
Toxostoma com
Crotalus confluentis
Pituophis sayi
Sceloporus

Arvada

Odocoileus hemionus, com.
ⁱⁿ *naevius* 5
Antilocapra com.
Eutamias pallidus 1
~~*Cynomys*~~ abn.
Neotoma 1 a few

Peromyscus sonoriensis abn.

Onychomys 1 com.

Rhithodonta 2 "

Mus musculus 1

Perognathus fasciatus 2

Pseudopus abn.

Thomomys a few

Sylvilagus abn.

Canis nebrascensis com.

" *occidentalis* "

Scalopus? *indus* reported

Bats big a few seen

" little - -

Aug. 13 to Gillette - 4546 ft.

Aug 14 - To Moorcroft.

4211 ft.

Populus fremontii com. abn.

Salix { *flaccidula* " "
 { *amygdaloides* " "

Neurospora a few

Rhus trilobata a few

Artemisia tridentata abn.

" *cana* "

" *frigida* "

" *ludov.* com.

Atriplex nuttallii "

Sarcobatus "

Opuntia abn.

Mammillaria a little

Yucca "

Piploia gracilis com.

" *grac.* "

Gutierrezia "

Helianthus annuus "

" "

Grindelia "

Chrysoopsis "

Liatris "

<i>Eurotia</i>	com		
<i>Eriogonum</i> 2	"	<i>Aryzopsis</i>	abn
<i>Linum nuttallii</i>	"	<i>Aligadachia</i>	"
" <i>rigidum</i>		<i>Andropogon</i>	"
<i>Psoralea argophylla</i> , - little		<i>Culex cristata</i>	"
" <i>glandulosa</i>	abn	<i>Calamovilfa</i>	"
<i>Glycyrrhiza</i>	com	<i>Agropyrum</i> 3	"
<i>Lupinus</i>	"	<i>Stipa</i>	"
<i>Astragalus bicolor</i> (purple)	"	<i>Spartina</i>	a few -
" (yellow)	"	<i>Distachis</i>	com
<i>Pentstemon</i>	"		
<i>Malvastrum coccineum</i>	"		
<i>Lygodium juncea</i>	"		
<i>Antennaria</i>	"		
<i>Anemone</i>	"		
<i>Solidago</i> 5	"		
<i>Trifolium</i>	"		
<i>Abronia</i>	"		

Moorecroft

<i>Oryzopsis</i>	afw
<i>Urophasianus</i>	com
<i>Zenaidura</i>	"
<i>C. protista</i>	1 family
<i>Circus</i>	1
<i>Falco spar</i>	2
<i>Melanerpes</i>	1
<i>Colaptes cafer</i>	com
<i>Chordeiles</i>	2
<i>Tyrannus verticalis</i>	afw
" <i>tyrannus</i>	"
<i>Otocoris</i>	"
<i>Euphagus</i>	com
<i>Calamospiza</i>	"
<i>Chondestes</i>	"
<i>Pooecetes</i>	"
<i>Spizella breweri</i>	"
<i>Calcarius</i>	1
<i>Astragalinus</i>	
<i>Passer domesticus</i>	abn.
<i>Penthestes septentrionalis</i>	1
<i>Zonotrichia</i>	1
<i>Lanius</i>	1

Moorecroft

<i>Odocoileus hemionus</i>
<i>Antilocapra</i>
<i>Eutamias pallidus</i>
<i>Cynomys</i>
<i>Thomomys</i>
<i>Lepus campestris</i>
<i>Sylvilagus baileyi</i>
<i>Canis</i>
<i>Lynx</i>

Aug. 16 Stage 8 Sundance ^{7 AM}

Moorecroft	4400	4211
Ridge	5100	4900
Dinner station	4950	4750
Sundance ^{42 miles} 4 PM.	4900	4750

<i>Cyanocaptes</i>	4
<i>Pica</i>	com

Sundanes Aug 16 -

Pinus ponderosa
Juniperus 3 sp.
Quercus macrocarpa
Saxifraga cordata
"
Nyssa
Fraxinus
Cercocarpus
Pinus americana
" *mutabilis*
Amelanchier
Larix laricina
Ribes cereum
Gracilaria d. virgata
Arctostaphylos uva-ursi
Berberis repens
Symphoricarpos
Rubus strigosus
" *nutkanus*
Cornus stolonifera
Viburnum lentiginosum
Betula fontinalis
Ceanothus velutinus

Balsamorhiza sag.
Artemisia 5
Solidago 5
Gutierrezia
Bigelovia
Brainerdia
Liatris
Rosa 2
Psoralea argophylla
" *serotina*
Geranium big
Linum lewisii
Wyethia ?
Pteridium
Apocynum
Epilobium spicatum
Aster big purple
" big pale purple
Ostrya sand Cr.
Ulmus "

Populus tremuloides
Betula alba
Larix laricina
Juniperus communis
Corylus rostratus
Vaccinium myrtillus
Linnæa
Prunus *pin.*
Salix *red*

Black Hills Aug. 27 & 28

Rubus
Rubus nutkanus
Picea *reported a few*
Pteris
Asplenium

Juncea
Opuntia
Ribes aurum
" *cerum*
Rhus hirtella
Populus fremontii
Hibiscus arvensis
Geranium
Chama
Salix
Mertensia

Sundancee + Bear Lodge Mts.

Onychomys	com
Helidromus	2
Long eared owl	1
Falco sparverius	com
Accipiter velox	2
Goshawk	3
Colaptes	com
Dryobates	com
Parus	com
Bonasa	1
Buteo borealis	com
Aquila	1
Zenaidura	com
Chordeiles	"
Perisoreus	6, 1
Pica	com
Euphagus	"
Sturnella	abn.
Procyon	"
Spizella pallida	"
" breweri	"
" arizonae	"

Junco	6 or 7
Astragalinus	"
Pipilo erythrophthalmus	com
Habia melanocephala	reported
Lanius	com
Vireo	"
Contopus rich.	"
Otocoris	abn.
Toxostoma	2
Penstemon	com
Dendroica ludlowi	"
Salpinctes	"
Robins	abn.
Sialia arctica	"

Aug. 20 & 21, up Bear Lodge Mts. & down Sand Creek

Aug. 22 & 23 up Rattlesnake Can.
23 miles to 6000 ft.

Pedicularis 6000 on
Bonasa " a few
Circus " 1
Buteo borealis 2
~~*Falco sparverius*~~ in Valley
Colaptes abn
Oxybates a few
Sphyrapicus thyroideus 6000-3
Perisoreus 5000-6000
Nucifraga 1 6500 ft
Sturnella "
Phalaenoptilus 2 6000.
Contopus rich. heard -
Otocoris abn. in V.
Pipilo arcticus a few
Calcarius abn in V.
Pooecetes "
Spizella "
Junco c. 5000-6500.
Astragalinus "
Dendroica auduboni "
Operosus "

Trzeplodytes - "
Penthestes sept. - "
Robins abn. in V.
Sialia arctica abn. in V.
Ceryle alcyon 1 Sand Creek.
Cinclus 1 com
Tyrannus tyrannus 1
Negascops heard
Glaucoedon described
Canturus virginianus, "

Sayornis saya com in valley
Bubo heard

Bear Lodge Mts. & Black Hills

Bison
 Cervus 42 old + 25 calves
 Odocoileus ^{old heads} ~~minimus~~ a few
 " ~~macrourus~~ "
 Sciurus hudsonius com
 Spermophilus "
 Eutamias abn
 Citellus 13 lin. com
 Neotoma "
 Peromyscus l. abn
 " m. "
 Zapus "
 Microtus longicaudus com
 " neckatus "
 " nanoides "
 " bayleyi 3 a few
 Eutamias 3
 Eutamias 2 com
 Marmota reported com
 Cynomys a few
 Castor abn
 Thomomys a few
 Lepus campestris 1
 Sylvilagus "
 Felis com
 Lynx com
 Canis occidentalis a few
 " rubescens com

Mephitis com
 Zaidas a few
 Procyon com
 Vulpes fulvus a few
 Urocyon - described
 Ursus horribilis a few
 " am - never seen any
 Putorius 2
 Lutrida a few
 Sorex 3
 Eptesicus fuscus 1 com
 Coronorhinus in caves, abn
 Myotis 2 com

Perognathus parvirostris 1

Aug. 22 to Upton

Aug 31 Upton, 7:00 AM

Newcastle

Edgmont 9 AM.

Populus fremontii abn.

Salix

Sarcobatus abn.

Artemisia tridentata com.

" *arva* "

" *ludo. & gnaph.* "

Chrysothamnus gracilis "

" *small* "

Hesperanthus annuus abn.

Grindelia "

Xanthium "

Iva xanthifolia "

Liatris com.

Chome "

Eriogonum cymosum "

Edmonia ciliolata "

Opuntia abn.

Atriplex nutt. com.

Argemone platensis "

Euphorbia nivos "

Rhus

Sept. 1 Edgmont, 9 AM

Custer, 11 to 5, bridge out.

Hill City 6 PM.

Deadwood 10 PM

Sept. 2 Left Deadwood 7 AM

Spanish 10 AM

Sept. 3 Spanish to 8-10

Belle Fourche 10 AM.

7 Chadron, 5 to 12 PM.

Sept. 3. Spearfish 8 am
Bill Fouché 10 am

Pinus ponderosa

Quercus

Ulmus

Fraxinus

Negundo

Populus angustifolia

Prunus melanocarpa

Crataegus

Artemisia 5

Bigelovia parviflora

Gutierrezia

Solidago 4

Thermopsis

Leavenworthia

Zinnia , —

Asclepias tuberosa 1

Colaptes , —

Sturnella obs

Hirundo 5

Pica , —

Galambus, a few

Corvus — 1

Populus tremula

Rhus trilobata

Ribes aureum

Opuntia

Yucca

Cleome

Euphorbia marginata

Solanum rostratum

Plantago purshiana

Helianthus annuus

Grindelia

Chrysothamnus graveolens

Eriogonum white

Prunus besseyi

Bouteloua

Anemone 3

Triptocoryx uncinata

Sept. 4 Charbon, ^{arrived} 7:20

Casper

Sept. 5, Casper, left 11 am.

Cheyenne 7 PM.

Sept. 7, Cheyenne 8:30 AM.
Denver 12-3:30 PM.

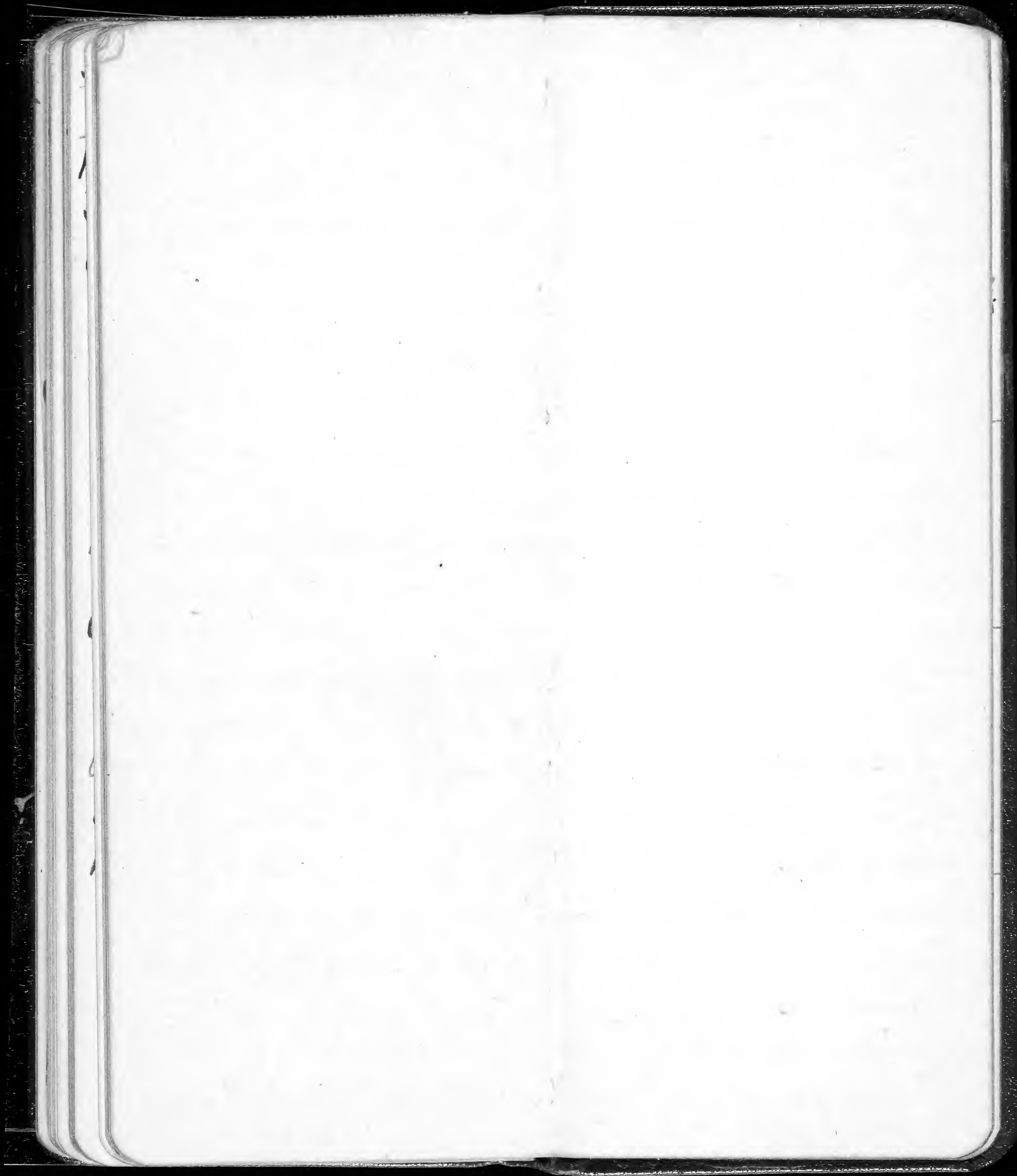
Sept 8 -

Lincoln, Neb. arrived 5 AM.

Left Lincoln 2:10 PM
Omaha 3:30 to 7 PM
Sioux City 10:30 PM

Sept 9 left Sioux City 10 AM
Vermillion 11:30 AM

Sept. 10 -



R. B. Smith, Harding, S. D.
wants reports

~~195, 83, 32~~
~~94328, Eutamias, Moorecroft, Aug 19~~
J. B. Boyden, on Sand Cr.
Boulder, Wyo.

Paul Kleinadam
Aladdin, Wyo.

Capt. St. John, Tinton W.
old time since 1875

Anthony Mills,
Sundance, Bear to nose.

G. W. Ashdown, old time
Sundance.

E. A. Bock, at mine on peak
Sundance

L. C. Greene, prospector
Sundance

Mr. Storm, Sundance
Chas. Hutchins "

Chas. S. Small
Belle Fourch, S. Dak.

Dr. A. B. Chapin
Soldiers Home, Minn.
at Minnoka Falls

With early expedition in Dak.
with Mr. Loe.
A scientific man

H. E. Pick,
Kenmare, N. D.
Rocky Pick
Godfrey Engdahl

Louis F. Crawford,
Martin
Kitchen

Sentinel Butte, N. D.

Bill Follier

Joe Myers
on little Missouri above
Mudara.

R. B. W 14123 Apr 3

9432 Howard Eaton, Wyo. Wyo.

J. B. Alden Eaton "

Will "

Paul

Col. Henry Hall, Post Bld.
Capt Wash. Cos. Pittsburg tel. Mass?

Ante Sid Mc Kinner, wolfer.
Sun Arvada, Wyo.

G. W. 9411 Ent. ♀ 140, 45, 33
Su 9419 " ♂ 190, 85, 23

E. A. " 20, Per. ♂ 183, 85, 21
Su " 1 " ♂ 153, 43, 20

L. C. 1 2 Mid. ♂ 144, 44, 19
Su " 3 Eyo. ♂ 149, 33, 19

Mr. " 4 Eyo. ♂ 93, 34, 11,

Cha 9425 Bris ♀, Medora, skull

6 " ♀ "

Chas. 7 ♂ ♀ "

Bel 8 Vulpes vulpes Mandan " "

9 " " " skull

9430 " " " "
1 Vulpes fulvus " "

Mr. Bass, owner and
Oleedale, N.D.

old timer, says Mr. Joes

Chas. Converse, Attorney
Schafer, N.D. judge Bell

L. E. Joes, old soldier

Violen, S. Dak.
Mandolin Indian battle
in Killeen Mts.

H. C. Fish, Curator,
Bismarck,

E. S. Cameron
Terry, Mont.



Bill Mumby
H. Rieppel,
old times & scout

Frank Chapman
Aetadine
old times

C.E. Booth, Mivot
taxidermist & antiquarian
& old times

C.H. Parker, owner
Leland Hotel, Mivot
Has Mt. Lion killed
in N. Dak.

Mummary, taxidermist
Mivot 217 S. Main

C.E. Booth
Mivot, taxidermist

Carl Swensen
Zolney - Haven

Miss Grace Benton
Minto, N.D.
for 3 zone maps

Mr. Mahome
Langdon

Dr. Gatchel

Wales N.D.

H.E. Simpson
Grand Forks,
for topographic survey

Mr. Crawford
Sentinel Butte
Rough photos, & all well
interested

E.J. Brown
Kumar
Lindberg

